



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

ES Windows LLC
10653 NE Quaybridge Ct.
Miami, FL 33138

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "9500" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. W10-25, titled "Series 9500 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 9 of 9, dated 04/20/10, with revision C dated 08/01/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 12-0320.11 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



7P
2/25/15

NOA No. 14-0820.14
Expiration Date: October 28, 2019
Approval Date: March 05, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS


1. Manufacturer's die drawings and sections.
2. Drawing No. **W10-25**, titled "Series 9500 Aluminum Fixed Wdw. (L.M.I.)", sheets 1 through 9 of 9, dated 04/20/10, prepared by Al-Farooq Corporation, with revision C dated 08/01/14, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum fixed window, both prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-6129**, dated 03/10/10, and **FTL-5991**, dated 10/02/09, both signed and sealed by Jorge A. Causo, P.E.
(Submitted under NOA No. 09-0623.01)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5546**, dated 01/09/09, signed and sealed by Michael R. Wenzel, P.E.
(Submitted under NOA No. 09-0623.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)** dated July 30, 2014, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0820.14
Expiration Date: October 28, 2019
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D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

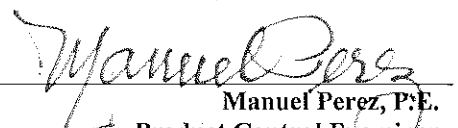
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated July 30, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Reports No. **FTL-6129**, dated 03/10/10, and **FTL-5991**, dated 10/02/09, both issued by Fenestration Testing Laboratory, Inc., both signed and sealed by Jorge A. Causo, P.E.
(Submitted under NOA No. 09-0623.01)
3. Laboratory compliance letter for Test Report No. **FTL-5546**, issued by Fenestration Testing Laboratory, Inc., dated 01/09/09, signed and sealed by Michael R. Wenzel, P.E.
(Submitted under NOA No. 09-0623.01)

G. OTHERS

1. Notice of Acceptance No. **12-0320.11**, issued to ES Windows LLC for their Series "9500" Aluminum Fixed Window - L.M.I., approved on 09/13/12 and expiring on 10/28/14.


Manuel Perez, P.E.

Product Control Examiner
NOA No. 14-0820.14

Expiration Date: October 28, 2019
Approval Date: March 05, 2015

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES 9500 ALUMINUM FIXED WINDOWS

DESIGN LOAD CAPACITY FOR THESE WINDOWS TO BE AS PER CHARTS
SHOWN ON SHEET 2.
SEE GLASS LOAD CAPACITY CHART FOR DESIGN LOAD CAPACITY OF
DESIRED GLASS SIZE.
SEE ANCHOR LOAD CAPACITY CHART FOR NUMBER OF ANCHORS
REQUIRED AT EACH CORNER.
LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS WILL
APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

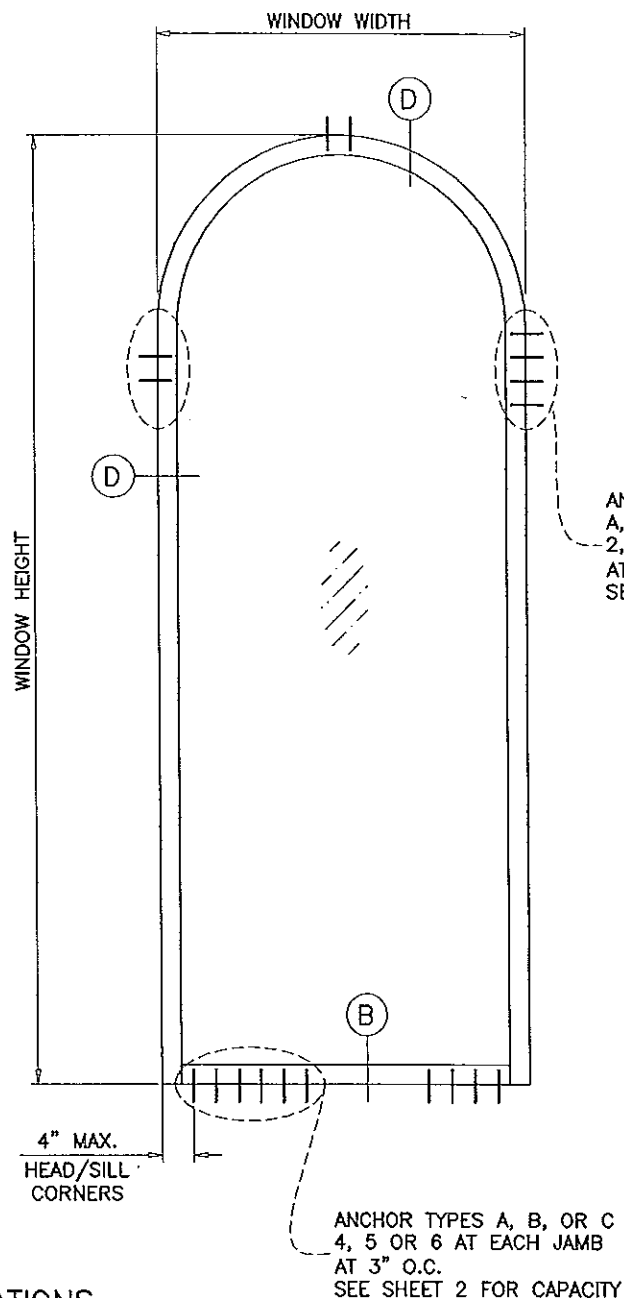
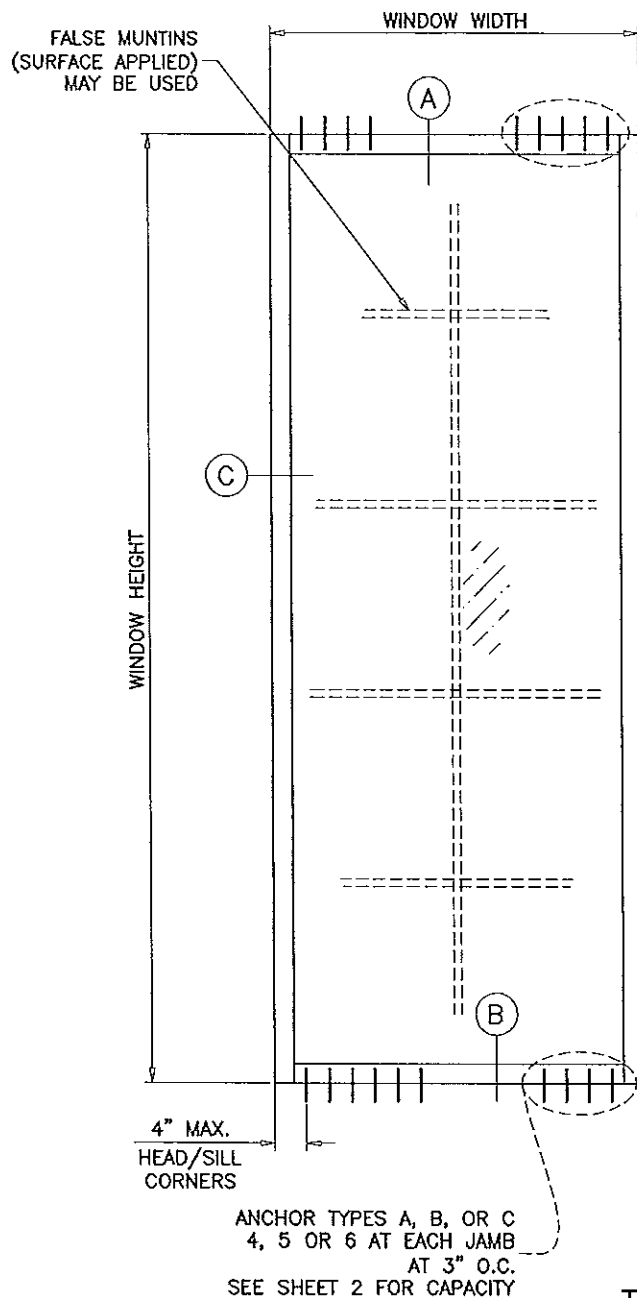
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE.



TYPICAL ELEVATIONS

DAYLITE OPENINGS:

D.L.O. HEIGHT = WINDOW HEIGHT - 5.0"

D.L.O. WIDTH = WINDOW WIDTH - 5.0"

WINDOWS WITH GLASS TYPES 'A' & 'B' COMPLIES
WITH REQUIREMENTS OF ANSI Z97.1.

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

FEB 06 2015

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0820.14
Expiration Date 01/25/2019
By *Mamuel*
Miami Trade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W10-25ES

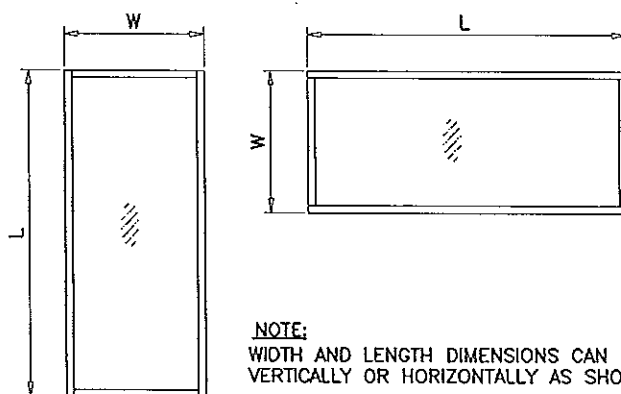
SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)
E.S. WINDOWS, LLC
10653 N.E. QUAYBRIDGE CT.
MIAMI, FL 33138
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:	no	date	by	description
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	B	06.15.12		REV. PER PERA COMMENTS
	C	08.01.14		UPDATED TO 2014 FBC

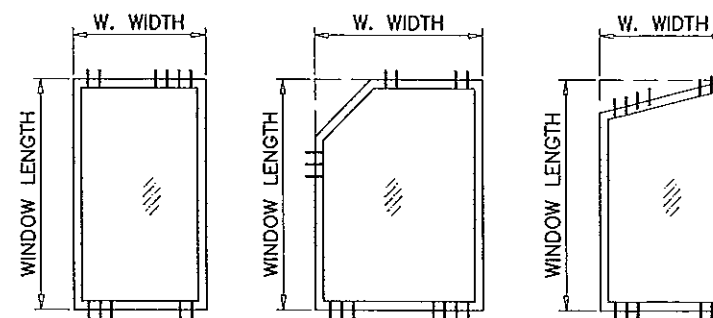
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scale:
dr. by: HAMID
chk. by:

drawing no.
W10-25
sheet 1 of 9

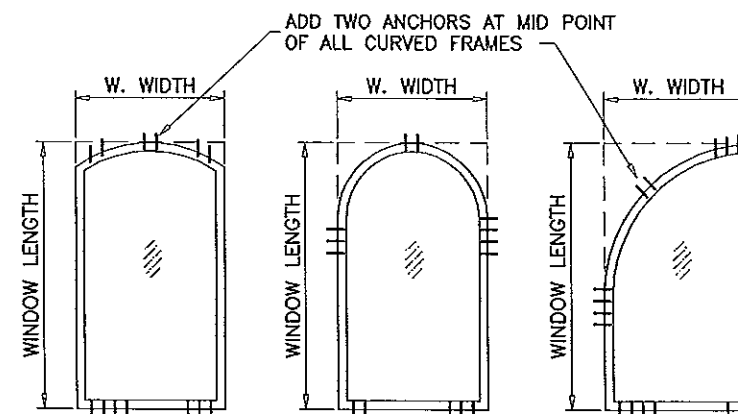
GLASS LOAD CAPACITY - PSF				
WINDOW DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPES 'A1' & 'B1'
WIDTH	LENGTH	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
30"	90"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
54"		65.0	120.0	90.0
60"		65.0	120.0	90.0
30"	96"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
54"		65.0	120.0	90.0
60"		65.0	120.0	90.0
30"	102"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
54"		65.0	120.0	90.0
30"	108"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
30"	114"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0
30"	120"	65.0	120.0	90.0
36"		65.0	120.0	90.0
42"		65.0	120.0	90.0
48"		65.0	120.0	90.0



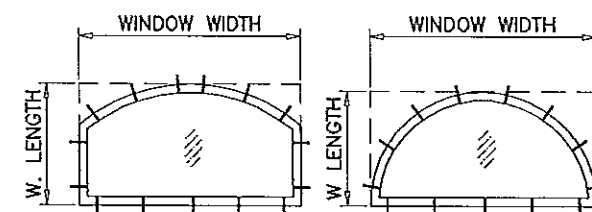
NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



SEE CHART AT RIGHT FOR NUMBER OF ANCHORS REQUIRED AT EACH CORNER OF THESE SHAPES.



SEE CHART AT RIGHT FOR NUMBER OF ANCHORS REQUIRED AT EACH CIRCULAR OR SQUARE CORNER JOINT.
USE (2) ADDL. ANCHORS AT MID POINT OF CIRCULAR FRAMES.



ALTERNATE ANCHORING AT CIRCULAR SHAPES
USE ANCHORS AT 4" FROM EACH END AND 16" O.C. MAX.

ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

NOTE:
SEE GLASS LOAD CAPACITY CHART FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
SEE ANCHOR LOAD CAPACITY CHART FOR NUMBER OF ANCHORS REQUIRED AT EACH CORNER.
LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS WILL APPLY TO ENTIRE SYSTEM.

ANCHORS LOAD CAPACITY - PSF							
WINDOW DIMS.		ANCHOR TYPES 'A', 'B' & 'C'			ANCHOR TYPES 'A1' & 'B1'		
WIDTH	LENGTH	4 ANCHORS EXT. (+) INT. (-)	5 ANCHORS EXT. (+) INT. (-)	6 ANCHORS EXT. (+) INT. (-)	2 ANCHORS EXT. (+) INT. (-)	3 ANCHORS EXT. (+) INT. (-)	4 ANCHORS EXT. (+) INT. (-)
30"	90"	120.0	120.0	120.0	114.9	120.0	120.0
36"		110.0	120.0	120.0	102.9	120.0	120.0
42"		94.0	120.0	120.0	93.3	120.0	120.0
48"		82.0	120.0	120.0	85.2	120.0	120.0
54"		73.0	110.0	120.0	78.4	117.6	120.0
60"		66.0	99.0	120.0	72.6	108.9	120.0
30"	96"	120.0	120.0	120.0	106.1	120.0	120.0
36"		103.0	120.0	120.0	94.5	120.0	120.0
42"		88.0	120.0	120.0	85.2	120.0	120.0
48"		77.0	116.0	120.0	77.6	116.3	120.0
54"		69.0	103.0	120.0	71.2	106.8	120.0
60"		62.0	93.0	120.0	65.2	97.7	120.0
30"	102"	116.0	120.0	120.0	98.6	120.0	120.0
36"		97.0	120.0	120.0	87.3	120.0	120.0
42"		83.0	120.0	120.0	78.4	117.6	120.0
48"		73.0	109.0	120.0	71.2	106.8	120.0
54"		65.0	97.0	120.0	65.2	97.7	120.0
30"	108"	110.0	120.0	120.0	91.9	120.0	120.0
36"		92.0	120.0	120.0	81.2	120.0	120.0
42"		78.0	118.0	120.0	72.6	108.9	120.0
48"		69.0	103.0	120.0	65.8	98.6	120.0
30"	114"	104.0	120.0	120.0	86.2	120.0	120.0
36"		87.0	120.0	120.0	75.8	113.7	120.0
42"		74.0	112.0	120.0	67.7	101.6	120.0
48"		65.0	98.0	120.0	61.1	91.7	120.0
30"	120"	99.0	120.0	120.0	81.2	120.0	120.0
36"		82.0	120.0	120.0	71.2	106.8	120.0
42"		71.0	106.0	120.0	63.3	95.0	120.0
48"		62.0	93.0	120.0	57.1	85.6	114.1

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).

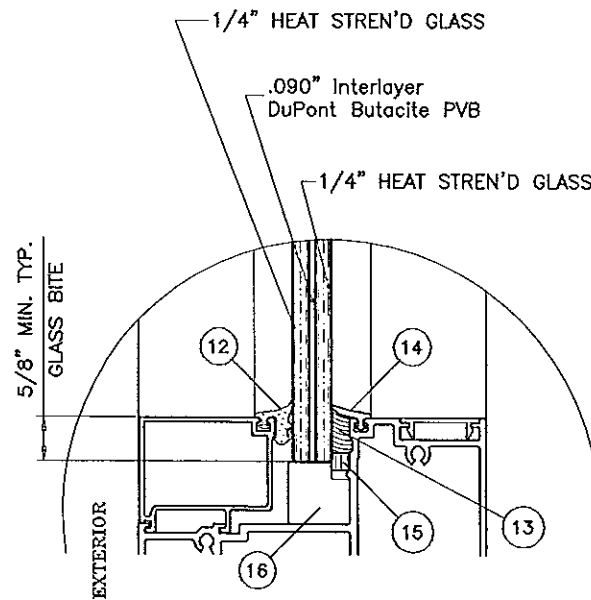
Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.M. 3538
FEB 06 2015

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-082014
Expiration Date Oct. 28, 2019
By: *Manuel Perez*
Miami Dade Product Control

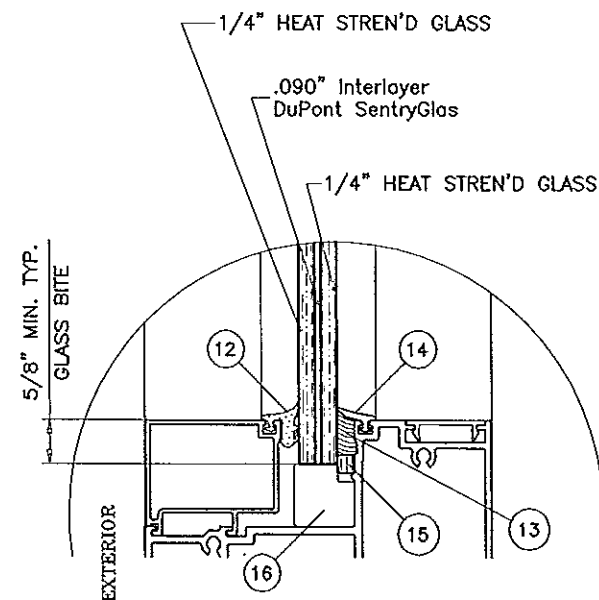
AL-FAROOQ CORPORATION
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SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)
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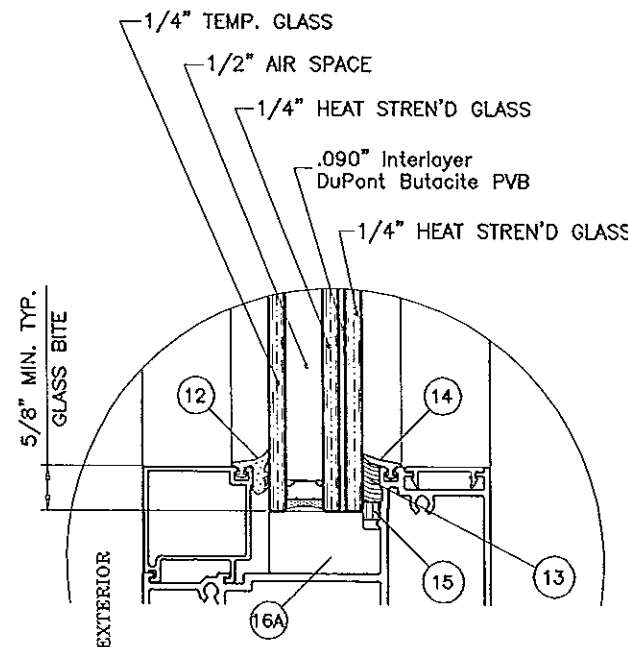
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dr. by:	HAMID			
chk. by:				
drawing no.	W10-25			
sheet	2 of 9			



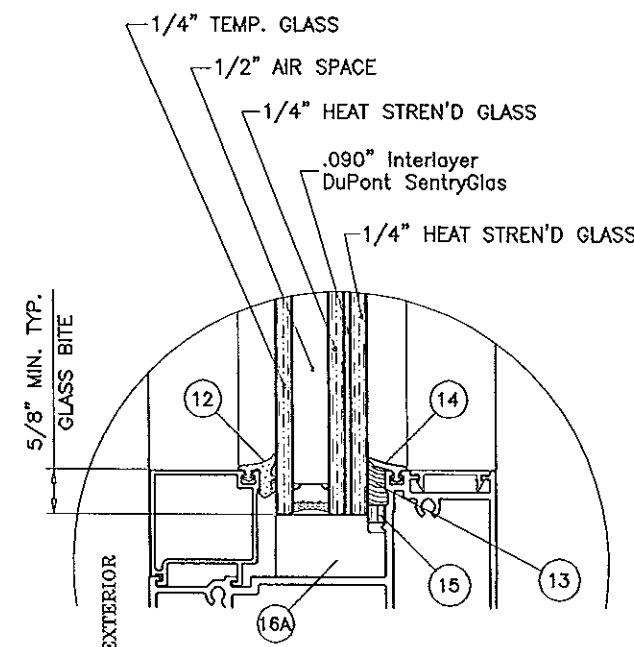
GLASS TYPE 'A'
9/16" OVERALL LAMINATED GLASS



GLASS TYPE 'B'
9/16" OVERALL LAMINATED GLASS



GLASS TYPE 'A1'
1-5/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'B1'
1-5/16" OVERALL INSUL. LAM. GLASS

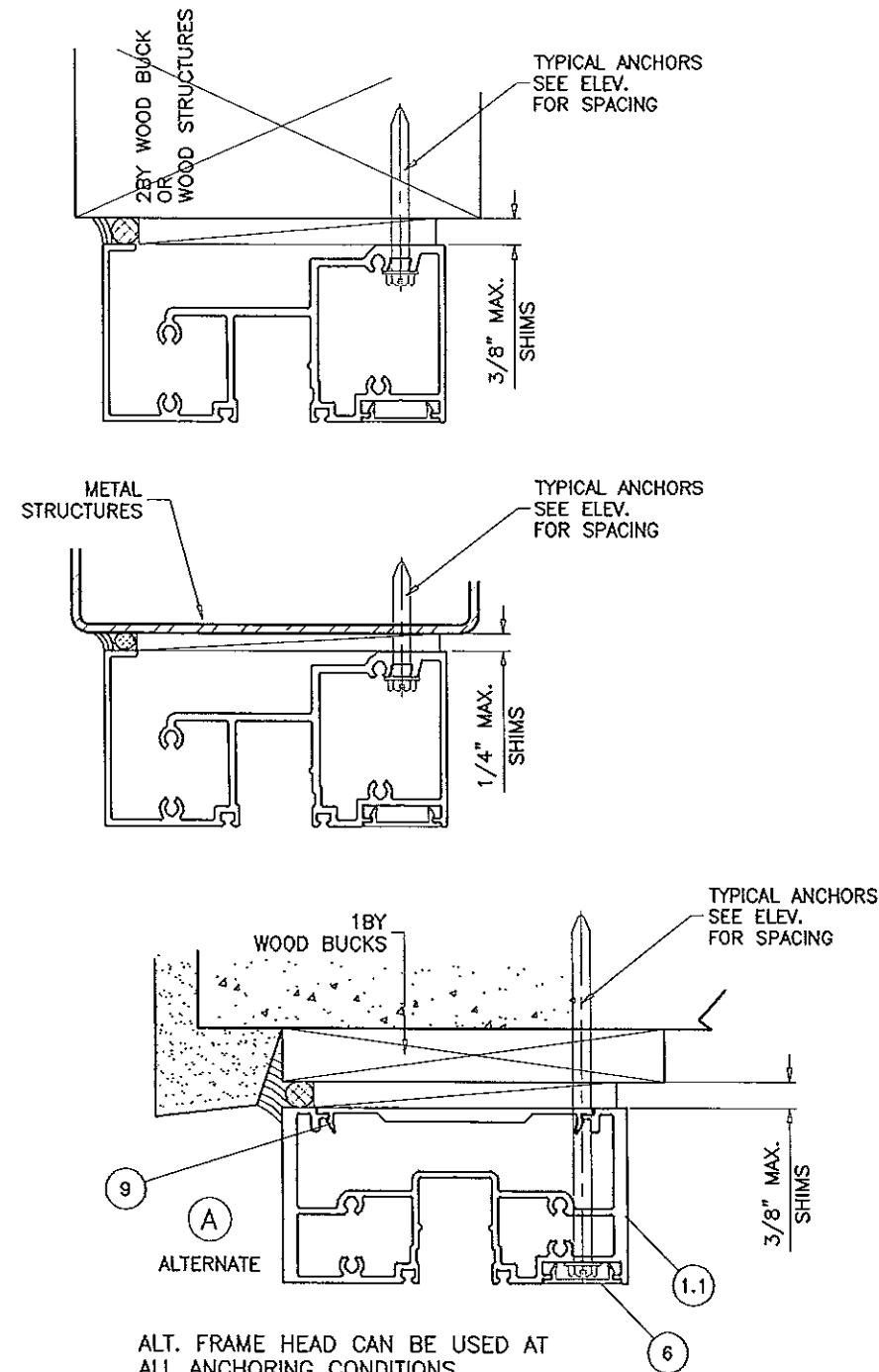
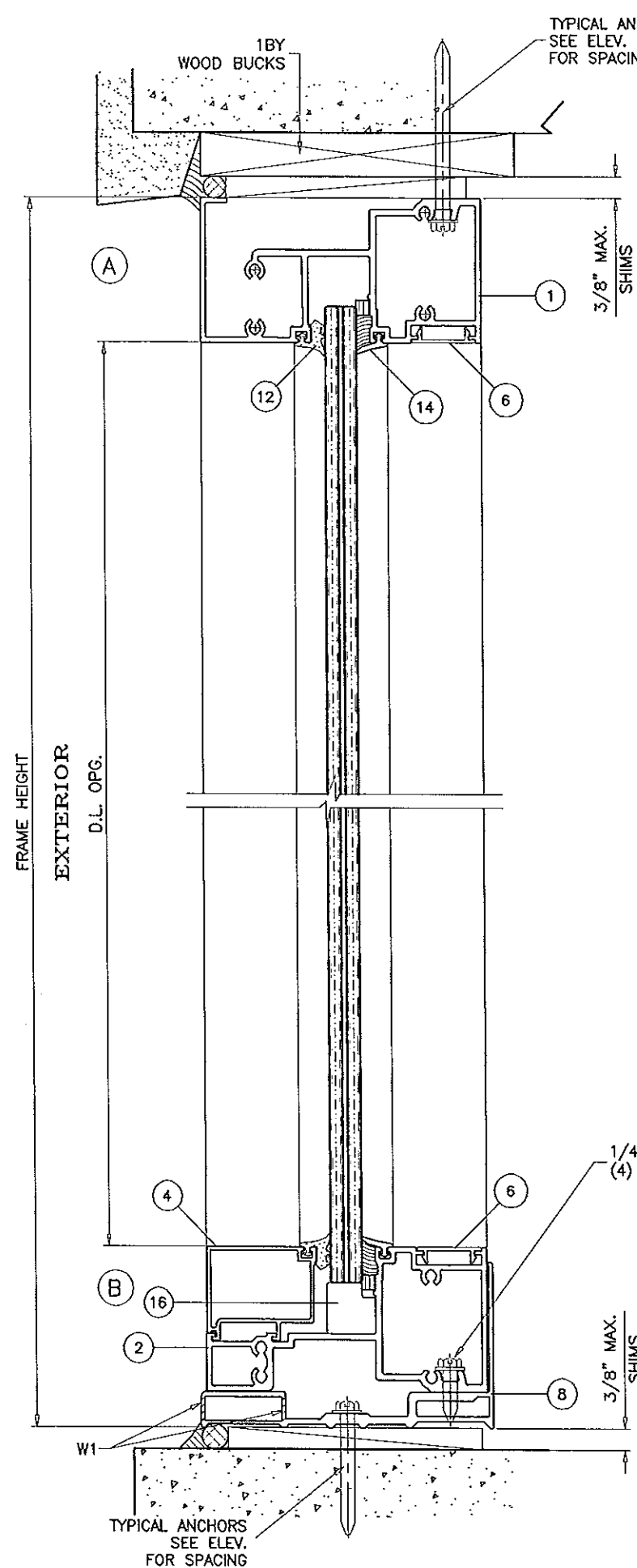
GLAZING OPTIONS

1/2" AIR SPACE CONSISTING OF:
SPACER:
ALUMINUM LOW PROFILE SPACER AROUND
THE PERIMETER OF THE GLASS.
PRIMARY SEALANT:
SILICONE

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538
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PRODUCT REVISED
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AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL\W10-25ES																	
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date: 04-20-10 scale: 3/8" = 1" dr. by: HAMID chg. by:	revisions: <table border="1"> <thead> <tr> <th>no</th> <th>date</th> <th>by</th> <th>description</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>03.13.12</td> <td></td> <td>UPDATED TO 2010 FBC</td> </tr> <tr> <td>B</td> <td>06.15.12</td> <td></td> <td>REV. PER PERA COMMENTS</td> </tr> <tr> <td>C</td> <td>08.01.14</td> <td></td> <td>UPDATED TO 2014 FBC</td> </tr> </tbody> </table>	no	date	by	description	A	03.13.12		UPDATED TO 2010 FBC	B	06.15.12		REV. PER PERA COMMENTS	C	08.01.14		UPDATED TO 2014 FBC
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C	08.01.14		UPDATED TO 2014 FBC														
drawing no. W10-25 sheet 3 of 9																	



ALT. FRAME HEAD CAN BE USED AT ALL ANCHORING CONDITIONS.

WEEP HOLES:

- W1 = 3/8" WEEP HOLES
 (1) AT 3" FROM EACH END
 (2) AT EACH MULLION AT 3" FROM MULLION CENTERLINE.

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

WOOD BUCKS AND METAL STRUCTURES NOT BY E.S. WDW. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

LAMINATED GLASS

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA HILTI KWIK CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES WITH 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO CONCRETE
 DIRECTLY INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO CONC.

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

TYPE 'A1' - 1/4" DIA HILTI KWIK CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)
 THRU 1BY WOOD BUCKS INTO MASONRY BLOCK
 DIRECTLY INTO MASONRY BLOCK WITH 1-1/4" MIN. EMBED INTO BLOCK

ANCHOR EDGE DISTANCES

INTO MASONRY BLOCK = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B' - 5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES WITH 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO CONCRETE
 DIRECTLY INTO CONCRETE WITH 1-1/4" MIN. EMBED INTO CONC.

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN. (1/4" ANCHORS)
 INTO WOOD STRUCTURE = 1-1/4" MIN. (5/16" ANCHORS)

TYPE 'B1' - 5/16" DIA ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 THRU 1BY WOOD BUCKS INTO MASONRY BLOCK
 DIRECTLY INTO MASONRY BLOCK WITH 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

ANCHOR EDGE DISTANCES

INTO FILLED BLOCK = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

TYPE 'C' - 1/4" DIA. TEKS OR SELF DRILLING SCREWS ST/ST (GRADE 5 CRS)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

Engr: JAVAD AHMAD
 CML
 FLA. PE # 70592
 C.A.N. 3538

FEB 08 2015

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0820.14
 Expiration Date 01-28-2019

By: *Manuel*
 Miami Dade Product Control

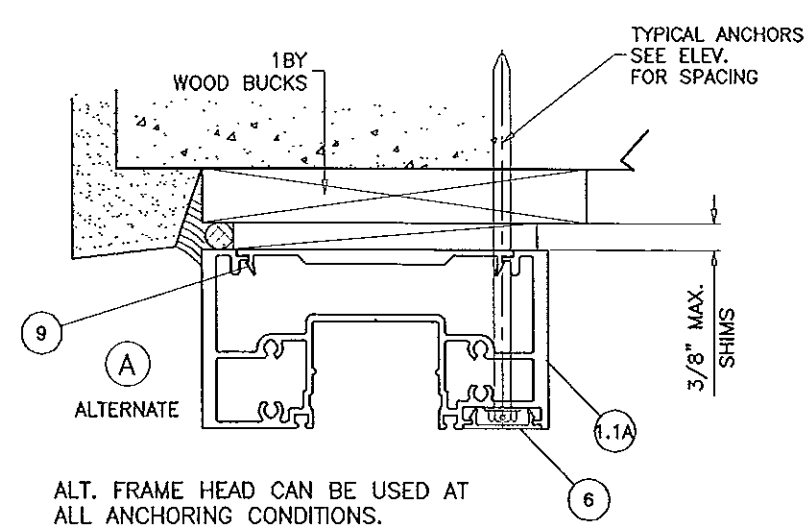
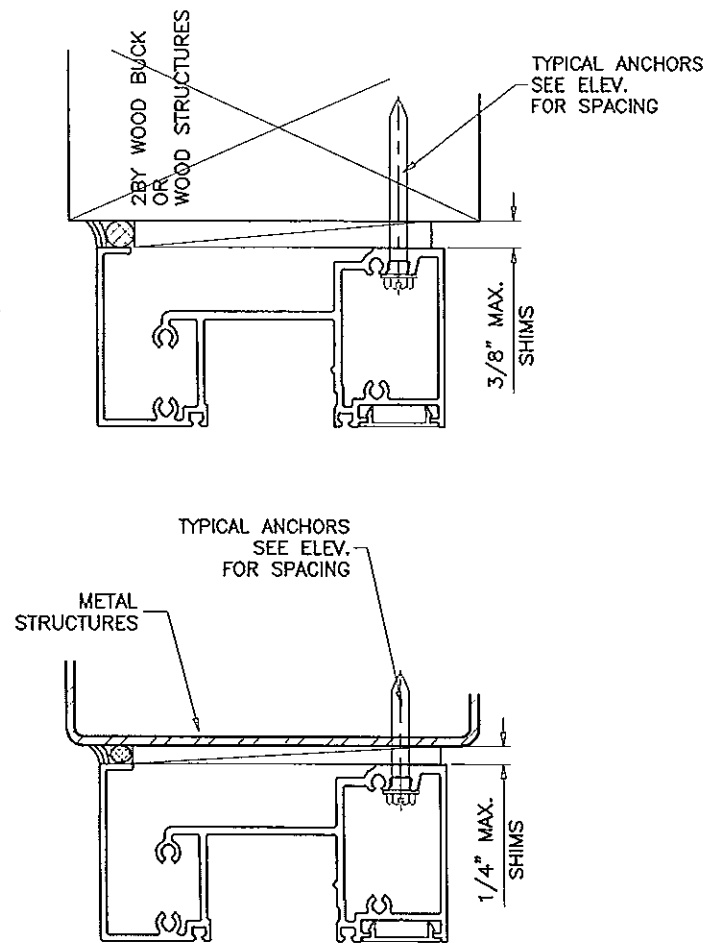
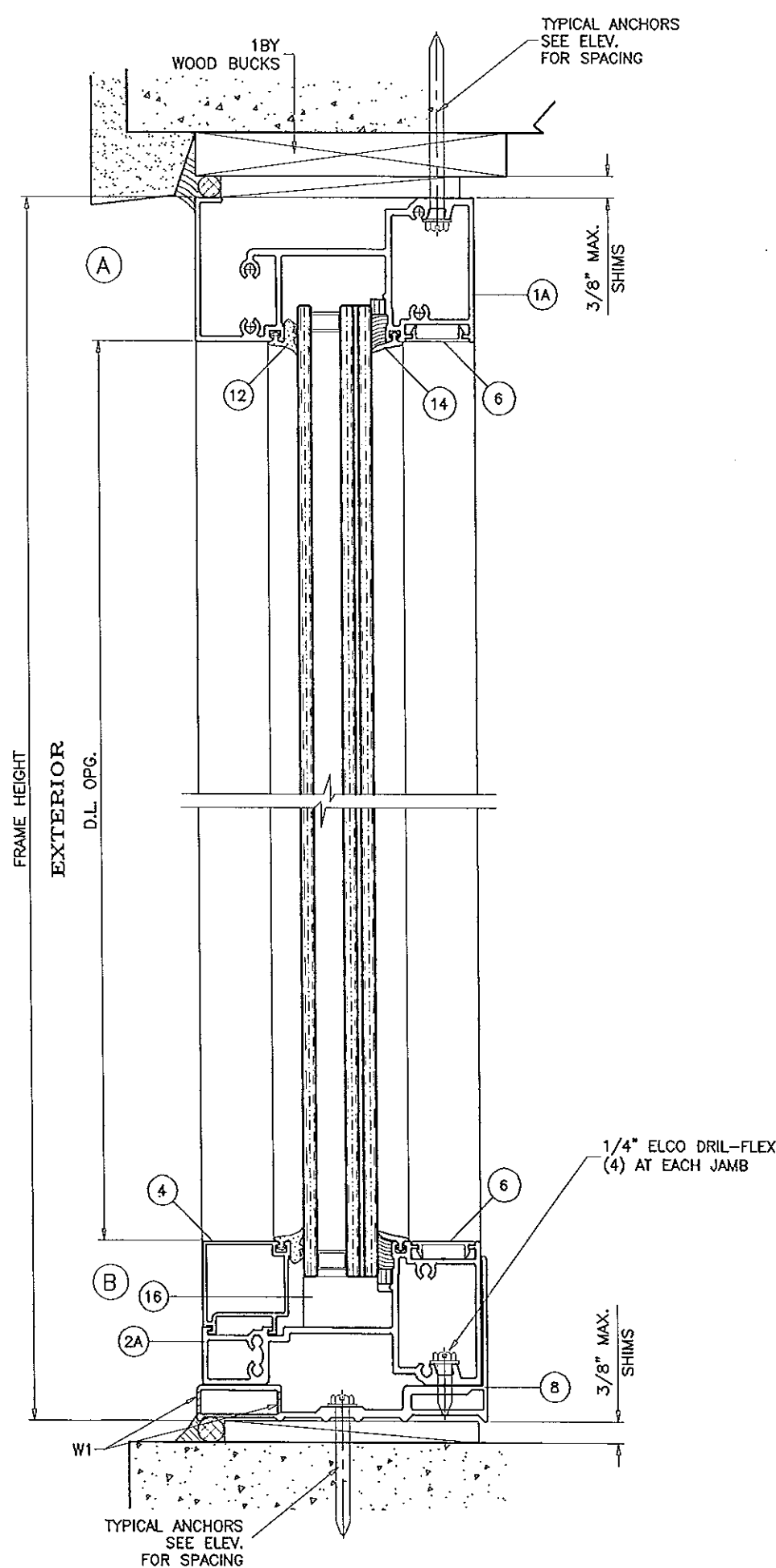
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W10-25ES

SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)
E.S. WINDOWS, LLC
 10653 N.E. QUAYBRIDGE CT.
 MIAMI, FL. 33138
 TEL. (305) 624-7775 FAX. (305) 624-7777

NO.	DATE	BY	DESCRIPTION
A	03.13.12		NO CHANGE THIS SHEET
B	06.15.12		REV. PER PERA COMMENTS
C	08.01.14		UPDATED TO 2014 FBC

date: 04-20-10
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W10-25
 sheet 4 of 9



INSUL. LAM. GLASS

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538
 FEB 06 2015

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0820.14
 Expiration Date Oct 28, 2019
 By: *Manuel*
 Miami Made Product Control

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afC

SERIES 9500 ALUMINUM FIXED WDW. (L.M.I.)

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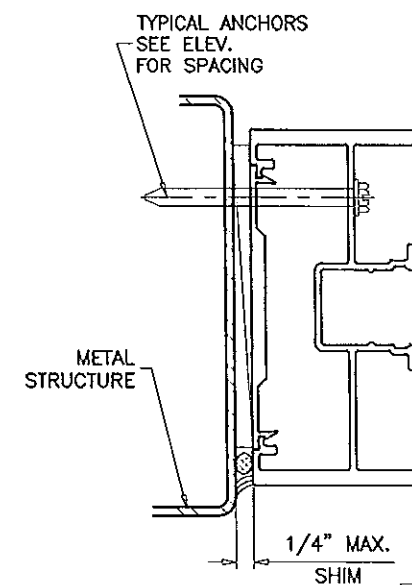
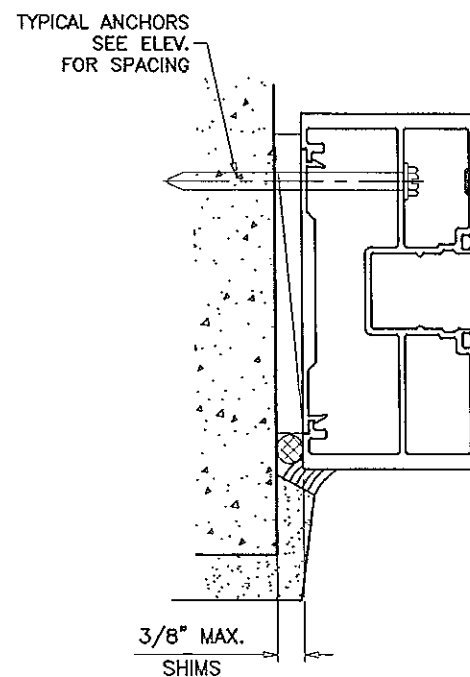
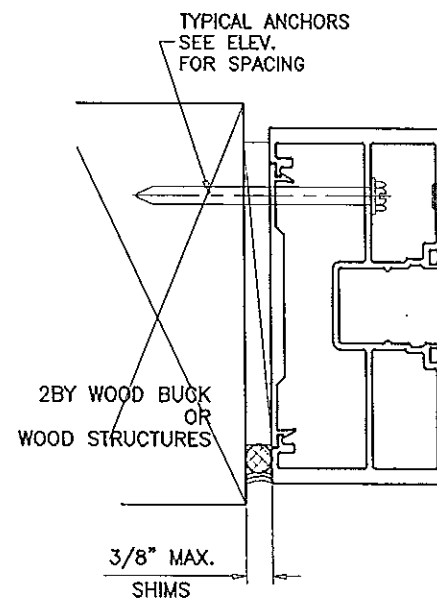
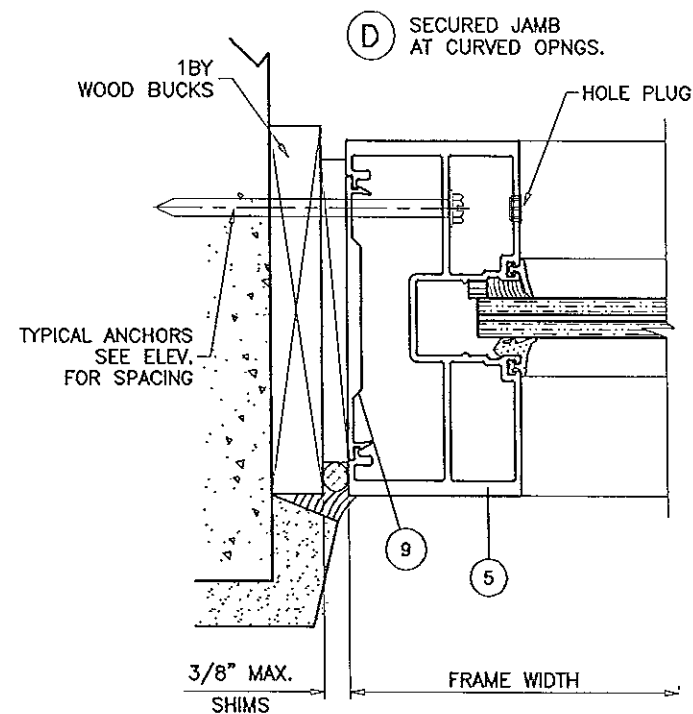
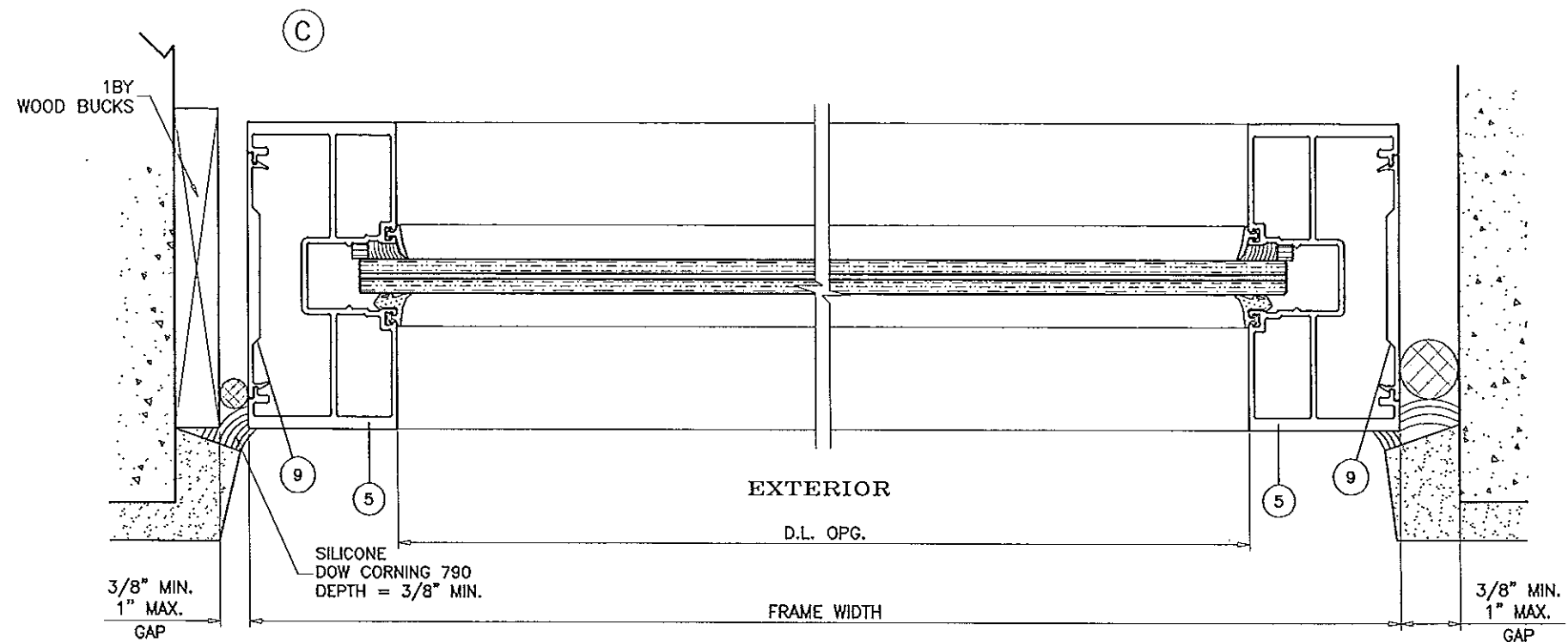
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drawing no.
W10-25

sheet 5 of 9



LAMINATED GLASS

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

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Miami Dade Product Control

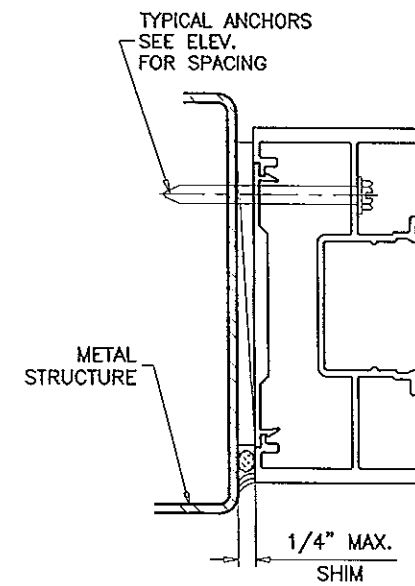
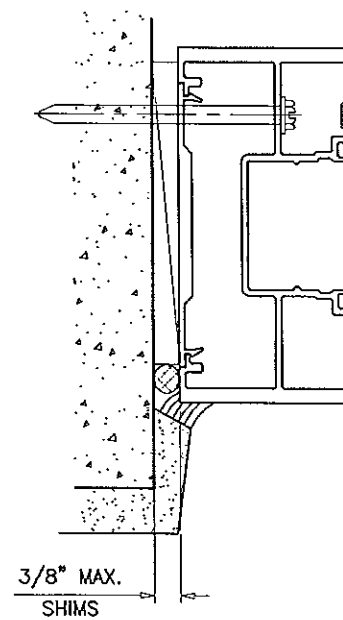
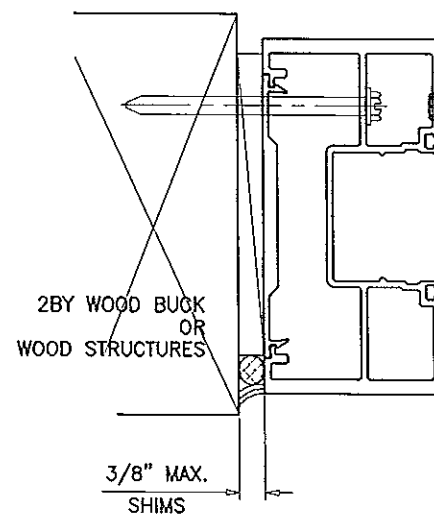
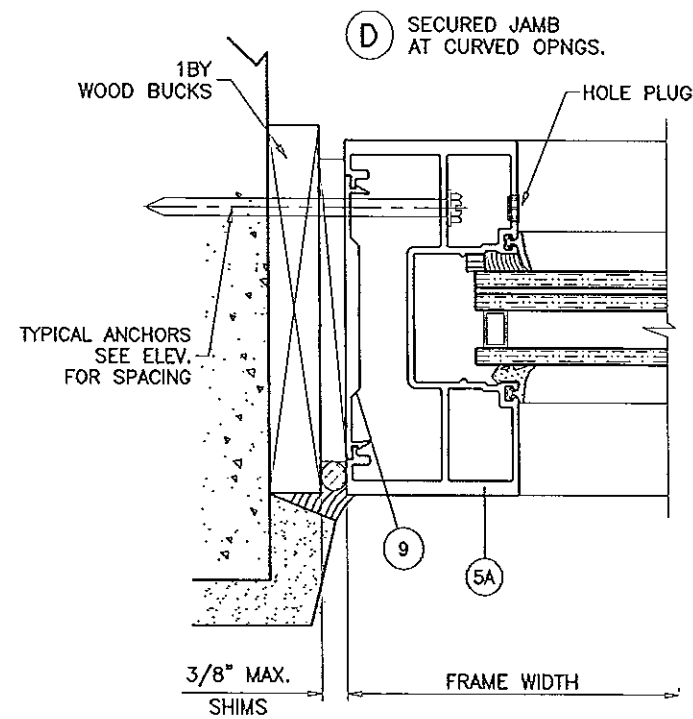
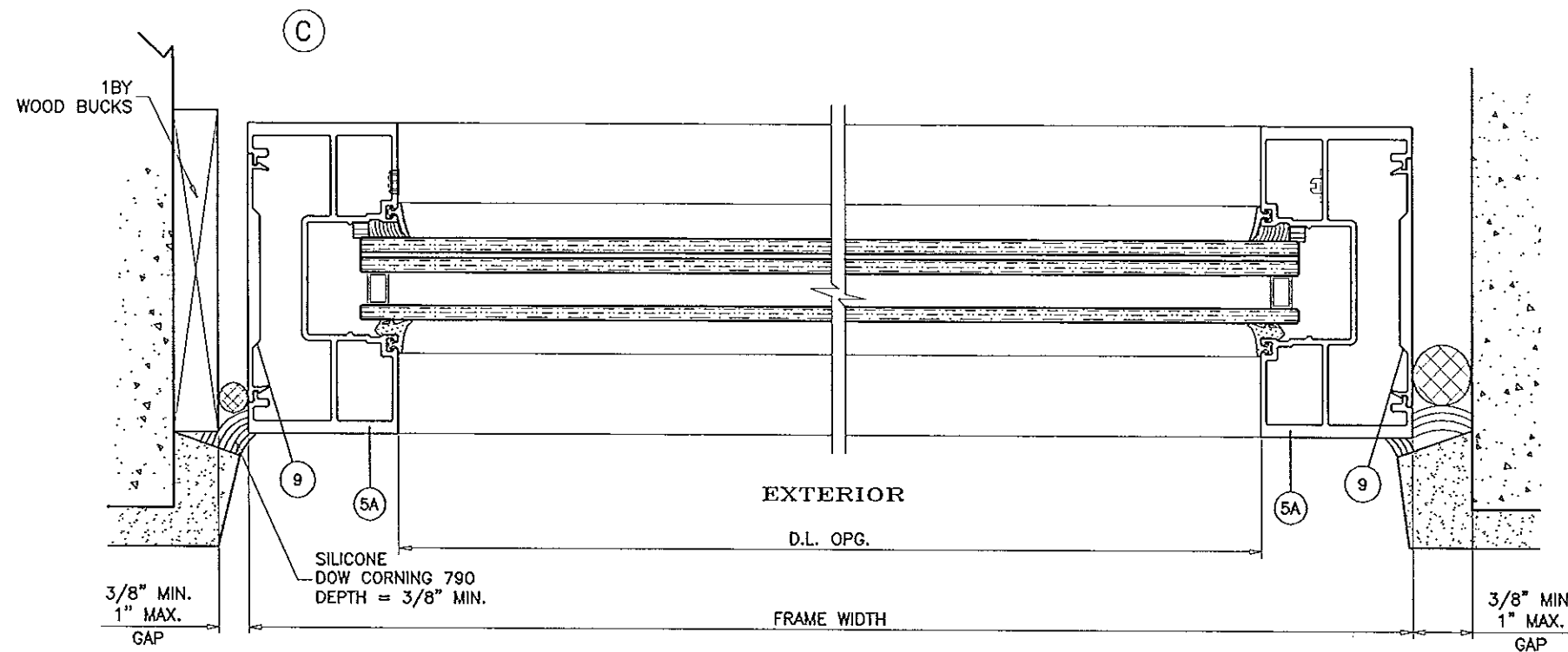
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dr. by: HAMID
chk. by:

drawing no.
W10-25
sheet 6 of 9



INSUL. LAM. GLASS

Engr: JAVAD AHMAD
CML
FLA. PE. # 70592
C.A.N. 3538
FEB 16 2015

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Miami Dade Product Control

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a f c

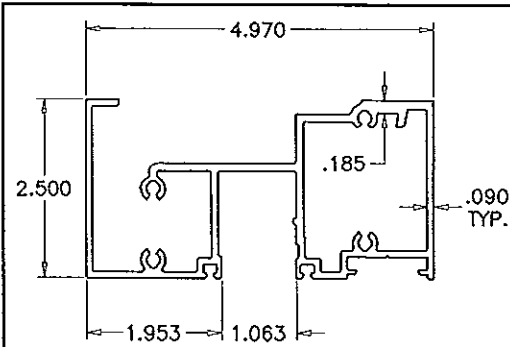
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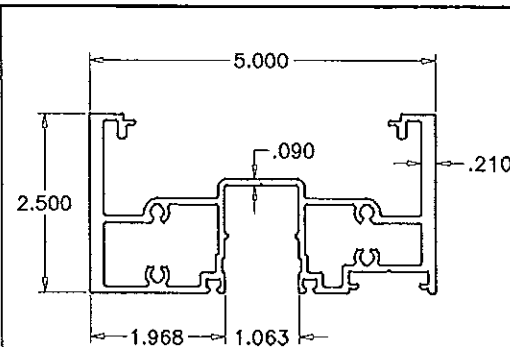
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drawing no.
W10-25
sheet 7 of 9

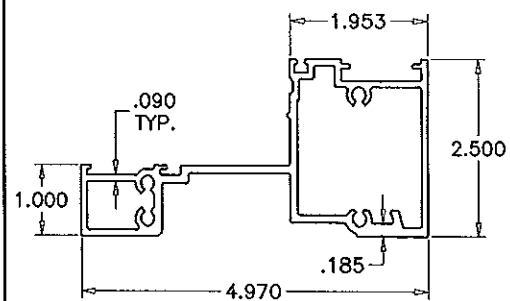
14-0820.14
OCT 28, 2019



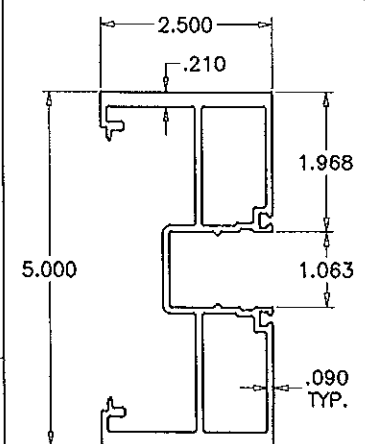
1 FRAME HEAD



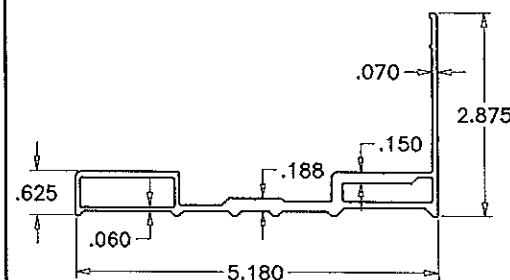
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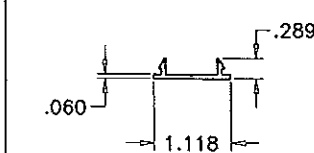
2 FRAME SILL



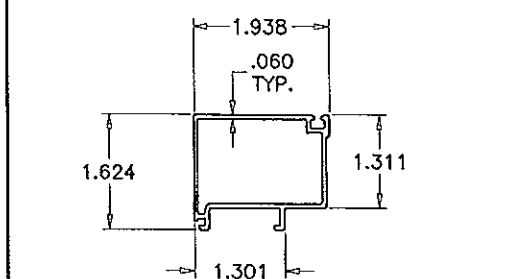
5 FRAME JAMB



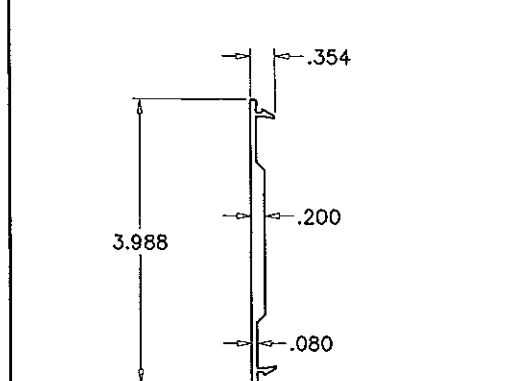
8 SILL FLASHING



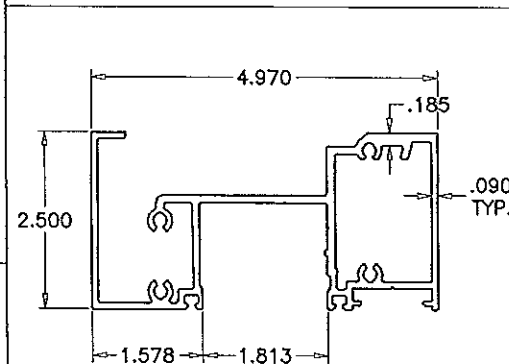
6 FRAME COVER



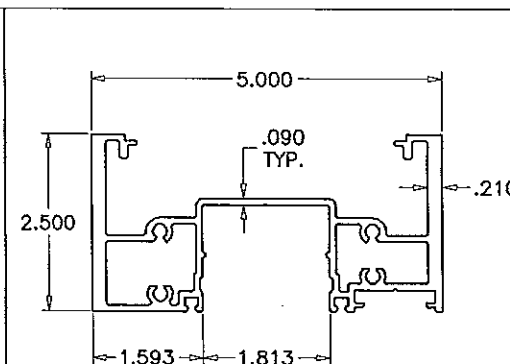
4 GLAZING STOP



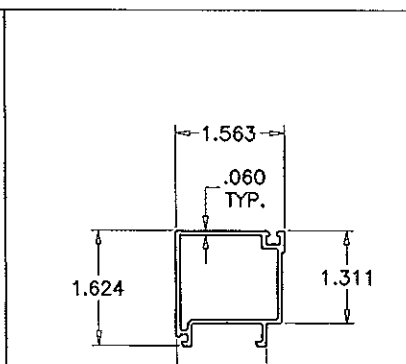
9 JAMB FILLER



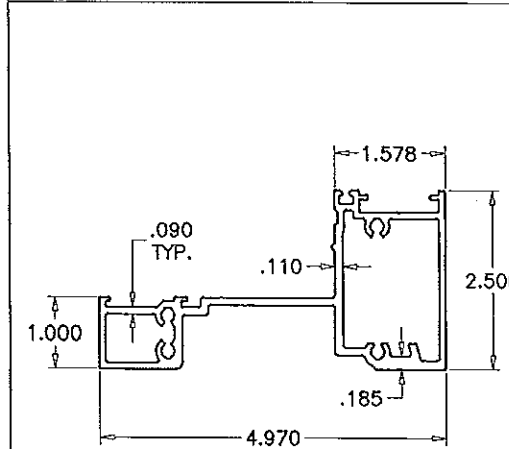
1A FRAME HEAD



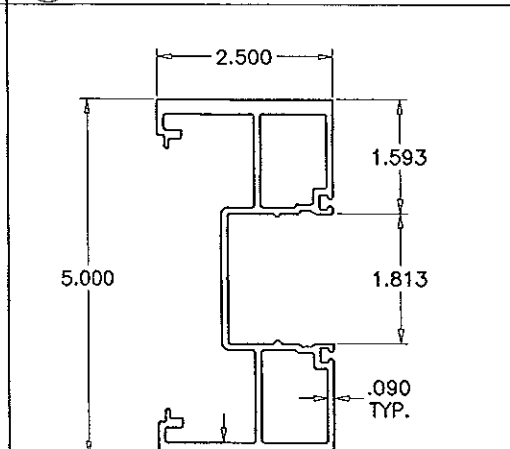
1.1A ALT. FRAME HEAD



4A GLAZING STOP



2A FRAME SILL



5A FRAME JAMB/MULLION

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES9506	AS REQD.	FRAME HEAD (LAM. GLASS)	6063-T6	-
1.1	ES9511	AS REQD.	ALT. FRAME HEAD (LAM. GLASS)	6063-T6	-
2	ES9503	AS REQD.	FRAME SILL (LAM. GLASS)	6063-T6	-
4	ES9504	AS REQD.	GLAZING STOP (LAM. GLASS)	6063-T5	-
5	ES9507	AS REQD.	FRAME JAMB/MULLION (LAM. GLASS)	6063-T6	-
6	ES9502	AS REQD.	FRAME COVER	6063-T5	-
8	ES9501	AS REQD.	SILL FLASHING	6063-T5	-
9	ES9016	AS REQD.	JAMB FILLER	6063-T6	-
11	#12 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	ST/ST	P.H. SMS
12	27-432	AS REQD.	WEDGE GASKET	EPDM	DUROMETER 65±5 SHORE A
13	-	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING 795 OR 983
14	27-434	AS REQD.	TRIM GASKET	EPDM	DUROMETER 65±5 SHORE A
15	-	AS REQD.	INTERIOR SPACER 1/4" X 1/4"	POLYURETHANE	-
16	-	AS REQD.	SETTING BLOCK (LAM. GLASS)	EPDM	DUROMETER 75±5 SHORE A
16A	-	AS REQD.	SETTING BLOCK (INSUL. LAM. GLASS)	EPDM	DUROMETER 75±5 SHORE A
17	-	AS REQD.	SIDE BLOCK	EPDM	DUROMETER 75±5 SHORE A
1A	ES-9554	AS REQD.	FRAME HEAD (INSUL. LAM. GLASS)	6063-T6	-
1.1A	ES-9558	AS REQD.	ALT. FRAME HEAD (INSUL. LAM. GLASS)	6063-T6	-
2A	ES-9551	AS REQD.	FRAME SILL (INSUL. LAM. GLASS)	6063-T6	-
4A	ES-9552	AS REQD.	GLAZING STOP (INSUL. LAM. GLASS)	6063-T5	-
5A	ES-9555	AS REQD.	FRAME JAMB/MULLION (INSUL. LAM. GLASS)	6063-T6	-

Engr: JAVAD AHMAD
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FEB 11 2015

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By: *Manuel Ferraz*
Miami Trade Product Control

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drawing no.	W10-25
sheet	8 of 9

